José Filipe Ferreira

MSc in Industrial Engineering and Management

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/personal-website/

Skills

Programming languages:

- HTML
- CSS/SCSS
- JavaScript ES6
- PHP
- Django
- MySQL
- Git

Currently learning:

- ReactJs
- NodeJs

Note:

I also intend to enroll in a graduate or master's degree in this area.

About

Industrial Engineer with a solid knowledge in the areas of Information Technologies (IT).
Motivated to pursue a career in IT.
Prompt to face any challenge and willing to learn and grow in this field.

Professional Background

Heliotextil, S.A

2021 - Today

- Mapped out the entire production process and created documents related to this process. Gathered requirements for the creation of a Web platform for a department of this organization.

- I took the challenge of developing a Web application from scratch in order to improve the scheduling and mainly the production control of this production unit.

- This Web application is based on Industry 4.0. It receives data from both operators and from sensors installed in the machines. Finally, the data is processed and presented in an understandable way.

- This application uses the following technologies: HTML, CSS/SCSS, JavaScript, MySQL, PHP and responsive frameworks such as Bootstrap.

AMÉRICO COELHO RELVAS, SUCRS, S.A

Curricular internship | 2019 - 2020

- Mathematical modeling using constraints (combinatorial optimization) of the shop floor of this sector. In order to provide a better solution to the planning of the orders using a software called IBM ILOG CPLEX.

- This project resulted in my master's thesis, which was chosen to be presented in 2021 at the XXI Congress of the Portuguese Operational Research Association (http://apdio.pt/web/io2021/home).

- Planning and production scheduling of a sector of this organization.

- Handling energy consumption data, created and monitored maintenance plans, and made suggestions for improvements.

Academic Background

Universidade de Aveiro 2015-2020

- Industrial Engineering and Management (Integrated Master)

Attachment

Certifications:

Throughout the past year, apart from consuming a lot of material of this field, I have also completed some courses.

Javascript ES6

- https://www.udemy.com/certificate/UC-88883412-c720-43e4-a5b3-ce44f853f11c/
- https://www.udemy.com/certificate/UC-c4bf779f-98d8-4780-baf9-8b67947efb77/

PHP

- https://www.codecademy.com/profiles/josFilipeFerreira8387397809/certificates/d24ce3aa4ed99ac04afffec4a78e2e44

SQL

- https://www.codecademy.com/profiles/josFilipeFerreira8387397809/certificates/042a4e5884e3eb6ea1f2a12be6abb851

Git & Github

- https://www.udemy.com/certificate/UC-6bc221fb-6c44-42e2-8c5a-d5d2643f3945/

Responsive Web Design

- https://www.udemy.com/certificate/UC-9633e9ab-b378-4e8d-9e5e-8314314199e1/
- https://www.freecodecamp.org/certification/fccd6308985-2e8d-4780-8b7d-2d4e96134076/responsive-web-design

CS50's Web Programming with Python and JavaScript

- https://certificates.cs50.io/0c2a54e6-5c35-4967-82fd-bc67424372d2